CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

10th March 2014

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the samples supplied by you, for the work of **'Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

CIVILTECH LABS

TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

Name of the Client	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.
Agency Name	Sri. C Narasaraju

Sample	Date of Testing	Specific Gravity	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	10/03/2014	2.57	10	100	100	100	100	100	II
			4.75	97	90-100	90-100	90-100	95-100	
			2.36	82	60-95	75-100	85-100	95-100	
			1.18	73	30-70	55-90	75-100	90-100	
			0.6	48	15-34	35-59	60-79	80-100	
			0.3	24	5-20	8-30	12-40	15-50	
			0.15	8	0-10	0-10	0-10	0-15	

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
BANGALORE

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5, I Floor, ICross
Srinivasa Colony, Mission Road
BANGALORE-560 027

Assistant Executive Engineer,
Division,
B.M.P.,

CIVILTECH LABS

TEST REPORT ON CEMENT

Name of the Client	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.
Agency Name	Sri. C Narasaraju

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
	10/03/2014	Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	52	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	IS-4031 (Part-5) 1988	VICAT	485	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

Assistant Executive Engineer,
Kodigehalli Division,
Yelahanka, B.B.M.P.,
Bangalore.

CIVILTECH LABS

TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.
Agency Name	Sri. C Narasaraju

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	10/03/2014	2.67	0.27	80	100	100	Satisfies The Requirements
				40	98	95-100	
				20	52	30-70	
				10	25	10-35	
				4.75	3	0-5	

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Assistant Executive Engineer,
Kodigehalli Sub Division,
B.B.M.P.,

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T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP.

17th April 2014

Dear Sir,

Sub: Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Kodigehalli Sub Division, BBMP
Project	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no. 08, Kodigehalli Sub Division.
Agency	Sri. C Narasaraju
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC-Work (Drain)	20/03/2014	17/04/2014	28	8.20	475	21.11	20.89
2					8.19	470	20.89	
3					8.17	465	20.67	

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka, B.B.M.P.,
Bangalore.

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T-2654

To,

Assistant Executive Engineer
Kodigegahalli Sub Division,
BBMP Bangalore.

17th April 2014

Dear Sir,

Sub: Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no 08.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Kodigegahalli Sub Division, BBMP
Project	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no 08.
Agency	Sri. C. Narasaraju
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	Sample-1 (Drain)	20/03/2014	17/04/2014	28	8.18	485	21.56	21.56
2					8.17	475	21.11	
3					8.19	495	22.00	

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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Kodigegahalli Sub Division, BBMP
Project	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no 08.
Agency	Sri. C. Narasaraju
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	Sample-2 (Drain)	20/03/2014	17/04/2014	28	8.18	485	21.56	21.48
2					8.17	475	21.11	
3					8.19	490	21.78	

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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Kodigegahalli Sub Division, BBMP
Project	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no 08.
Agency	Sri. C. Narasaraju
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	Sample-3 (Drain)	20/03/2014	17/04/2014	28	8.19	480	21.33	21.63
2					8.20	485	21.56	
3					8.21	495	22.00	

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TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Kodigegahalli Sub Division, BBMP
Project	Construction of culverts in main roads and cross roads in Maruthinagara and Bhadrappa layout in ward no 08.
Agency	Sri. C. Narasaraju
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work (Drain)	18/03/2014	15/04/2014	28	8.17	352	15.64	15.56
2					8.16	348	15.47	
3					8.19	350	15.56	

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